

Lightning Application Event example

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Feb 21, 2019

```
1 <!-- FacilitySearch (PARENT) COMPONENT code -->
2
3 <aura:component implements="flexipage:availableForAllPageTypes" access="global">
4
5     <aura:handler name="formSubmit" event="c:FormSubmit" action="{!c.onFormSubmitted}"/>
6
7     <div class="findAFacility">
8         <lightning:card title="Find a Soccer Facility">
9             <c:FacilitySearchForm /> <!-- CHILD COMPONENT -->
10        </lightning:card>
11    </div>
12
13    <div>
14        <lightning:card title="Matching Facilities">
15            <c:FacilitySearchResults aura:id="FacilitySearchResults" /> <!-- CHILD Cmp -->
16        </lightning:card>
17    </div>
18 </aura:component>
```

uses this PARENT Controller

```
1 // FacilitySearch (PARENT) CONTROLLER code
2
3 ({
4     onFormSubmitted : function(component, event, helper) {
5         var formData = event.getParam("formData");
6         var facilityTypeId = formData.facilityTypeId;
7         alert("PARENT onFormSubmitted: facilityTypeId = "+facilityTypeId);
8
9         var childCmp = component.find("FacilitySearchResults");
10        childCmp.search(facilityTypeId);
11    }
12 })
```

contains this CHILD component

```
1 <!-- FacilitySearchForm (CHILD) COMPONENT code -->
2
3 <aura:component controller="FacilityTypesController">
4
5     <aura:attribute name="facilityTypes" type="Facility_Type_c[]" />
6     <aura:attribute name="showNewButton" type="String" default="true" />
7     <aura:attribute name="formData" type="Object" />
8
9     <aura:handler name="init" value="{!this}" action="{!c.doInit}" />
10
11     <aura:registerEvent name="formSubmit" type="c:FormSubmit"/>
12
13     <aura:registerEvent name="PlotMapMarker" type="c:PlotMapMarker" />
14     <aura:method name="resetMap" action="{!c.resetMap}" />
15
16     <aura:registerEvent name="FacilitySelected" type="c:FacilitySelected" />
17     <aura:method name="resetFacilityDetails" action="{!c.resetFacilityDetails}" />
18
19     <!-- LAYOUT GRID -->
20     <div class="slds-grid slds-grid--align-center">
21         <form>
22             <lightning:layout horizontalAlign="center">
23                 <lightning:layoutItem>
24                     <lightning:select name="selectItem" label="FacilityTypes" variant="label-hidden"
25                         aura:id="facilityTypesDropdown" class="slds-grid slds-grid--align-top">
26                         <option value="" text="All Types" />
27                         <aura:iteration items="{!v.facilityTypes}" var="opt">
28                             <option value="{!opt.Id}" text="{!opt.Name}" />
29                         </aura:iteration>
29                     </lightning:select>
30                 </lightning:layoutItem>
31
32                 <lightning:layoutItem padding="horizontal-small">
33                     <lightning:button label="Search"
34                         variant="brand"
35                         onclick="{!c.onFormSubmit}"/>
36                 </lightning:layoutItem>
37             </lightning:layout>
38         </form>
39     </div>
40     <!-- End: LAYOUT GRID -->
41
42 </aura:component>
```

uses FacilitySearchResults
CHILD Component

uses this CHILD Controller

```
1 // FacilitySearchForm (CHILD) CONTROLLER code
2
3 ({
4     doInit : function(component, event, helper) {
5         component.set("v.formData", new Object());
6         helper.getFacilityTypes(component);
7     },
8
9     onFormSubmit : function(component, event, helper) {
10        component.resetMap();
11        component.resetFacilityDetails();
12
13        var facilityTypeId = component.find("facilityTypesDropdown").get("v.value");
14        formData.facilityTypeId = facilityTypeId;
15        alert('CHILD formData.facilityTypeId = '+formData.facilityTypeId);
16        component.set("v.formData", formData);
17        var formSubmitEvent = component.getEvent("formSubmit");
18        formSubmitEvent.setParams({ "formData": formData });
19        formSubmitEvent.fire();
20    },
21
22     resetMap : function() {
23        //alert('IN resetMap');
24        var mapEvent = $.get("e.c:PlotMapMarker");
25        mapEvent.setParams({ "lat" : null });
26        mapEvent.setParams({ "long" : null });
27        mapEvent.setParams({ "sObjectId" : '' });
28        mapEvent.setParams({ "label" : '' });
29        mapEvent.fire();
30    },
31
32     resetFacilityDetails : function() {
33        //alert('IN resetFacilityDetails');
34        var appEvent = $.get("e.c:FacilitySelected");
35        appEvent.setParams({ "facility": null });
36        appEvent.fire();
37    }
38 })
```